



## Complete Summary

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### TITLE

Diagnosis and outpatient management of asthma: percentage of patients with asthma with spirometry or peak flow meter reading documented in the medical record at the last visit.

### SOURCE(S)

Institute for Clinical Systems Improvement (ICSI). Diagnosis and outpatient management of asthma. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2005 Mar. 49 p. [31 references]

## Measure Domain

### PRIMARY MEASURE DOMAIN

Process

The validity of measures depends on how they are built. By examining the key building blocks of a measure, you can assess its validity for your purpose. For more information, visit the [Measure Validity](#) page.

### SECONDARY MEASURE DOMAIN

Does not apply to this measure

## Brief Abstract

### DESCRIPTION

This measure is used to assess the percentage of patients with asthma with spirometry or peak flow meter reading documented in the medical record at the last visit.

### RATIONALE

The priority aim addressed by this measure is to promote the accurate assessment of asthma severity through the use of objective measures of lung function.

### PRIMARY CLINICAL COMPONENT

Asthma; spirometry; peak flow meter

## DENOMINATOR DESCRIPTION

Total number of patients ages 5 to 55 with asthma\* who were continuously enrolled for 6 months

\*Patients with a diagnosis code of 493.00, 493.01, 493.10, 493.11, 493.90, or 493.91

## NUMERATOR DESCRIPTION

Number of patients with asthma with spirometry or peak flow meter reading documented\* at the last visit

\*Documented is defined as any evidence in the medical record that spirometry or peak flow reading was done at the last visit as recommended in the guideline (see the related National Guideline Clearinghouse [NGC] summary of the Institute for Clinical Systems Improvement [ICS] guideline [Diagnosis and Outpatient Management of Asthma](#)).

## Evidence Supporting the Measure

### EVIDENCE SUPPORTING THE CRITERION OF QUALITY

- A clinical practice guideline or other peer-reviewed synthesis of the clinical evidence

### NATIONAL GUIDELINE CLEARINGHOUSE LINK

- [Diagnosis and outpatient management of asthma.](#)

## Evidence Supporting Need for the Measure

### NEED FOR THE MEASURE

Unspecified

## State of Use of the Measure

### STATE OF USE

Current routine use

### CURRENT USE

Internal quality improvement

## Application of Measure in its Current Use

### CARE SETTING

Physician Group Practices/Clinics

PROFESSIONALS RESPONSIBLE FOR HEALTH CARE

Physicians

LOWEST LEVEL OF HEALTH CARE DELIVERY ADDRESSED

Group Clinical Practices

TARGET POPULATION AGE

Age 5 through 55 years

TARGET POPULATION GENDER

Either male or female

STRATIFICATION BY VULNERABLE POPULATIONS

Unspecified

Characteristics of the Primary Clinical Component

INCIDENCE/PREVALENCE

Unspecified

ASSOCIATION WITH VULNERABLE POPULATIONS

Unspecified

BURDEN OF ILLNESS

Unspecified

UTILIZATION

Unspecified

COSTS

Unspecified

Institute of Medicine National Healthcare Quality Report Categories

IOM CARE NEED

Living with Illness

## IO M DOMAIN

Effectiveness

### Data Collection for the Measure

#### CASE FINDING

Users of care only

#### DESCRIPTION OF CASE FINDING

Patients age 5 through 55 years diagnosed with asthma, continuously enrolled for 6 months

Data may be collected electronically using the claims/encounter database or the enrollment database. Medical groups should identify patients with asthma seen at the clinic. Each medical group can then generate a list of all eligible patients with asthma seen during the target month/quarter. A random sample of 20 charts can be chosen from this list. The eligible patients are those who are 5 to 55 years old and have been diagnosed with asthma. The patient medical records are reviewed for any evidence that spirometry or peak flow meter reading was done at the last visit as recommended in the guideline (see the related National Guideline Clearinghouse [NGC] summary of the Institute for Clinical Systems Improvement [ICSI] guideline [Diagnosis and Outpatient Management of Asthma](#)).

A minimum of 20 charts per month can be reviewed.

#### DENOMINATOR SAMPLING FRAME

Patients associated with provider

#### DENOMINATOR INCLUSIONS/EXCLUSIONS

##### Inclusions

Total number of patients ages 5 to 55 with asthma\* who were continuously enrolled for 6 months

\*Patients with a diagnosis code of 493.00, 493.01, 493.10, 493.11, 493.90, or 493.91

##### Exclusions

Unspecified

#### DENOMINATOR (INDEX) EVENT

Clinical Condition

Encounter

#### DENOMINATOR TIME WINDOW

Time window is a fixed period of time

## NUMERATOR INCLUSIONS/EXCLUSIONS

### Inclusions

Number of patients with asthma with spirometry or peak flow meter reading documented\* at the last visit

\*Documented is defined as any evidence in the medical record that spirometry or peak flow reading was done at the last visit as recommended in the guideline (see the related National Guideline Clearinghouse [NGC] summary of the Institute for Clinical Systems Improvement [ICSI] guideline [Diagnosis and Outpatient Management of Asthma](#)).

### Exclusions

Unspecified

## NUMERATOR TIME WINDOW

Encounter or point in time

## DATA SOURCE

Administrative data  
Medical record

## LEVEL OF DETERMINATION OF QUALITY

Individual Case

## PRE-EXISTING INSTRUMENT USED

Unspecified

## Computation of the Measure

## SCORING

Rate

## INTERPRETATION OF SCORE

Better quality is associated with a higher score

## ALLOWANCE FOR PATIENT FACTORS

Unspecified

## STANDARD OF COMPARISON

Internal time comparison

## Evaluation of Measure Properties

### EXTENT OF MEASURE TESTING

Unspecified

## Identifying Information

### ORIGINAL TITLE

Percentage of patients with asthma with spirometry or peak flow meter reading documented in the medical record at the last visit.

### MEASURE COLLECTION

[Diagnosis and Outpatient Management of Asthma Measures](#)

### DEVELOPER

Institute for Clinical Systems Improvement

### ADAPTATION

Measure was not adapted from another source.

### RELEASE DATE

2005 Mar

### MEASURE STATUS

This is the current release of the measure.

### SOURCE(S)

Institute for Clinical Systems Improvement (ICSI). Diagnosis and outpatient management of asthma. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2005 Mar. 49 p. [31 references]

### MEASURE AVAILABILITY

The individual measure, "Percentage of patients with asthma with spirometry or peak flow meter reading documented in the medical record at the last visit," is published in "Health Care Guideline: Diagnosis and Outpatient Management of Asthma." This document is available from the [Institute for Clinical Systems Improvement \(ICSI\) Web site](#).

For more information, contact ICSI at, 8009 34th Avenue South, Suite 1200, Bloomington, MN 55425; phone: 952-814-7060; fax: 952-858-9675; Web site: [www.icsi.org](http://www.icsi.org); e-mail: [icsi.info@icsi.org](mailto:icsi.info@icsi.org).

## NQMC STATUS

This NQMC summary was completed by ECRI on June 3, 2005.

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